

## ST-400

### All-in-One 4K Intelligent Video Conferencing Endpoint



#### PRODUCT OVERVIEW

The **Resoundify ST-400** this all-in-one intelligent conferencing device integrates an ultra-high-definition camera, array microphone, full-range speaker, and Android-based conference terminal into a single compact system, greatly simplifying installation and reducing wiring complexity. Powered by the Android 12.0 operating system with an advanced 4-core A76 + 4-core A55 processor and a 6 TOPS NPU, the device delivers exceptional computing performance for seamless conferencing applications. Supporting industry-leading decoding formats such as H.265, H.264, AV1, VP9, and AVS2 at up to 8K60fps, along with encoding capabilities up to 8K30fps, it ensures high-quality video processing across various platforms. The built-in AI algorithms enable automatic framing by detecting participant positions and sound-based speaker tracking for precise close-ups, creating an immersive and intelligent meeting experience.

#### KEY FEATURES

- **All-In-One Integration** : An all-in-one design featuring an ultra-high-definition camera, array microphone, full-range speaker, and Android conference terminal, effectively reducing the complexity of wiring and installation.
- **Super Computing Power:** Android 12.0 operating system, equipped with 4-core A76 + 4-core A55, 6 TOPS super computing power NPU.
- **Super Decoding :** Support H.265/H.264/AV1/VP9/AVS2 video decoding, up to 8K60fps.Support H.264/H.265 video encoding, up to 8K30fps.
- **AI Algorithm** : Built-in AI automatic framing algorithm can recognize the position of the participants and automatically adjust the lens angle to get the best view; at the same time, built-in AI sound tracking algorithm can quickly lock the speakers according to the sound positioning and focus on the close-ups.
- **Dual-screen display** : Supporting two HD video outputs, it can be connected to two large screen display devices at the same time, which can not only display the conference screen but also share pictures, videos and documents, enhancing the conference experience.
- **One machine for two purposes** : It can be used as an Android video conferencing terminal, or as an audio/video integrated USB camera connected to a PC as a peripheral, with rich application scenarios.

#### APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

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## TECHNICAL SPECIFICATIONS

### System Specifications

Operating System	Android 12
CPU	4 × Cortex-A76@2.4GHz + 4 × CortexA55@1.8GHz
Video Input Interface	1 1 × × HDMI, supports HDMI 2.0, Max. 4K30fps
Video Output Interface	2 × HDMI OUT, supports HDMI 2.1, Max. 4K60fps
Video Coding	H.264/H.265, Max. 8K30FPS
Video Decoding	H.265/H.264/AV1/VP9/AVS2, Max. 8K60fps
USB Interface	1 × USB 3.0 Type-A Host 1 × USB 3.0 Type-A OTG 1 × USB 3.0 Type-C (Used to connect a PC as a camera and Speaker Phone apply)
RAM	4GB
ROM	16GB EMMC (Optional 32GB)

### Video Specifications

Built-in Camara	Sensor: 1/2.5 inch CMOS, effective pixel 8.51MP, Field of view angle: DFOV: 121 ° , HFOV: 110 ° 5 × Digital zoom Pan head: mechanical pan head, horizontal/pitch: ± 15 ° ; Electronic pan tilt Backlight compensation: supported Digital noise reduction: 2D and 3D digital noise reduction Signal to noise ratio: ≥ 55dB
AI Tracking	supports
Other Image Features	Dual screen different display

### Audio Specifications

Input	1 × Built-in microphone 1 × USB 1 × HDMI embedded audio input 1 × Bluetooth audio input (optional) 1 × 3.5mm linear input
Output	1 × Integrated speaker (SPL 96dB@0.5m) 1 × USB 1 × HDMI embedded audio output 1 × Bluetooth audio output (optional) 1 × 3.5mm linear output
Features	Automatic gain control; Automatic echo cancellation Automatic noise suppression; Automatic lip sync

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### Interface Specifications

Power Interface	1 × DC 12V/3A
Network Interface	1 × RJ45, 10M/100M/1000M Base-T 1 × RJ45, 10M/100M Base-T, Support 15W PSE
Connectivity	1 × WiFi (2.4G&5.8G) , 802.11a/b/g/n/ac (Optional)
Bluetooth (Optional)	BT 5.0

### General Specifications

Dimension	601mm (W) × 141mm (D) × 115mm (H)
Power Supply	Input Voltage : DC 12V Power Consumption : 36W
Environmental Requirement	Temperature : 0° C ~ 40° C (operating state), -40° C ~ 70° C (non-operating state) Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)
Certification and Standard	CQC, RoHS, CE